



Patent Application 09/900,146
Attorney Docket No.: 57983.000028
Client Reference No.: 12897ROUS01U

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

James Aweya et al.

Appln. No.: 09/900,146

Filed: July 9, 2001

For: QUEUE MANAGEMENT MECHANISM
FOR PROPORTIONAL LOSS RATE
DIFFERENTIATION

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: Group Art Unit: 2663
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: Examiner: Unassigned
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12-12-01

Assistant Commissioner
for Patents
Washington, D.C. 20231



21967
PATENT TRADEMARK OFFICE

INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with the duty under 37 C.F.R. § 1.56 of each individual associated with the filing and prosecution of the above-identified patent application (hereinafter, "associated individuals") to disclose all information known to that individual to be material to patentability, Applicant(s) hereby submits attached Form PTO-1449 (modified) listing cited references. This submission is made in accordance with 37 C.F.R. §§ 1.97 and 1.98 and § 609 of the Manual of Patent

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Examining Procedure.

The cited references, while believed to be of some relevance, are not necessarily considered to teach or suggest any aspect of the invention described and claimed in the above-identified patent application. Applicant(s) hereby expressly reserves the right to swear behind the effective dates of any of the cited references. Applicant(s) further reserves the right to question the relevance, materiality, and/or prior art status of any of the cited references in whole, in part, or in combination, subsequent to the filing of this information disclosure statement. This information disclosure statement is also not to be construed as a representation that a search has, or has not, been conducted or that no better art exists. Rather, this information disclosure statement discloses only the best references of which the associated individuals are aware.

The Examiner is respectfully requested to consider each of the cited references, to indicate such consideration by initialing in the space provided next to each cited reference on the enclosed Form PTO-1449 (modified), to sign the initialed Form PTO-1449 (modified), and to return a copy of the same with the next communication to the Applicant(s).

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In accordance with 37 CFR § 1.97(b), this information disclosure statement is being filed (i) within three months of the filing date of the above-identified patent application; (ii) within three months of the date upon which the above-identified patent application entered the national stage as set forth in 37 CFR § 1.491; or (iii) before the mailing date of a first Office Action on the merit for the above-identified patent application. Accordingly, no statement or fee is required.

Please charge any shortage in fees due in connection with the filing of this communication to Deposit Account No. 50-0206, and please credit any excess fees to such deposit account.

Respectfully submitted,

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Date: October 26, 2001

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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1

of

Complete if Known

Application Number	09/900,146
Filing Date	07-09-2001
First Named Inventor	James Aweya et al.
Group Art Unit	2663
Examiner Name	Unassigned
Attorney Docket Number	57983.000028

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	U1					

FOREIGN PATENT DOCUMENTS

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NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	P1	C. Dovrolis and P. Ramanathan, "A Case for Relative Differentiated Services and the Proportional Differentiated Model", IEEE Network, Sept./Oct. 1999, pp. 26-34	Technology Center 2600
	P2	C. Dovrolis, D. Stilliadis, and P. Ramanathan, "Proportional Differentiated Service: Delay Differentiation and Packet Scheduling", Proc. ACM SIGCOMM'99, 1999, pp.109-120	
	P3	C. Dovrolis and D. Stilliadis, "Relative Differentiated Service in the Internet: Issues and Mechanisms", Proc. ACM SIGMETRICS'99, 1999	
	P4	C. Dovrolis and P. Ramanathan, "Proportional Differentiated Services, Part II: Loss rate Differentiation and Packet Dropping", Proc. 2000 Int. Workshop on Quality of Service (IWQoS), Pittsburg PA, June 2000	
	P5	S. Floyd and V. Jacobson, "Random Early Detection Gateways for Congestion Avoidance", IEEE/ACM Trans. Networking, VOL. 1, No. 4, Aug. 1993, pp. 397-413	
	P6	B. Braden, D. Clark, J. Crowcroft, B. Davie, D. Estrin, S. Floyd, V. Jacobson, G. Minshall, C. Partridge, L. Peterson, K. K. Ramakrishnan, S. Shenker, J. Wroclawski, L. Zhang, "Recommendations on Queue Management and Congestion Avoidance in the Internet", IETF RFC 2309, Apr. 1998	
	P7	S. Blake et al., "An Architecture for Differentiated Services", IETF RFC 2475, Dec. 1998	
	P8	G. F. Franklin, J. D. Powell and A. Emami-Naeini, "Feedback Control of Dynamic Systems", Addison-Wesley Reading, Massachusetts, 1994	

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SignatureDate
Considered

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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